

# Surface grinding machine

(MRK-350B/MRK-360B)

## INSTRUCTIONS FOR USE



# Catalogue

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## 一. Specification instruction

Model	MRK-350B
Weight(kg)	100kgs
Work area	340mm
Speed	680rpm
Motor Type	Entire sealed fan-shaped
Motor Power	2.2KW
Motor Voltage	220-240V

Model	MRK-360B	
L×W×H	900×400×1000mm (Handle length: 800mm)	
Total weight:	115KGS	
Grinding Width	340mm	
Speed	0-1500 r.p.m	
Motor Specification	type	Entire sealed fan-shaped
	Power	3.0KW
	Frequency	50 HZ
	Voltage	220-240V
Vacuum cleaner specification	Output	0.55KW
	Wind power	2.2m <sup>2</sup> /min
	Wind pressure	16.7Kpa
	Voltage	220-240V
	Capacity	20L

### Remarks:

1. The machine specification will have some difference from the instruction for different choice in parts and request.
2. The motor will be hot when long time working, please do not touch.

## 二. All parts instruction

### MRK-360B/400B

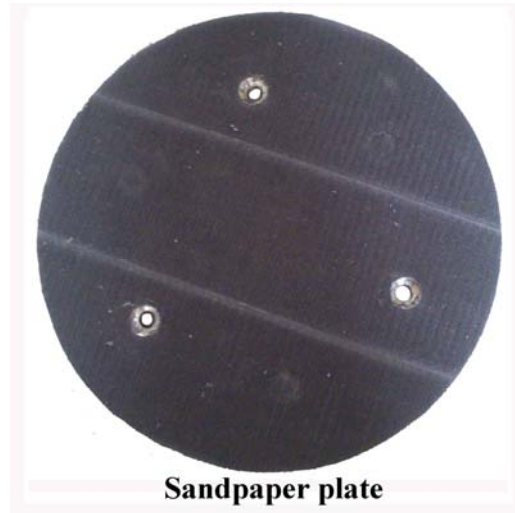
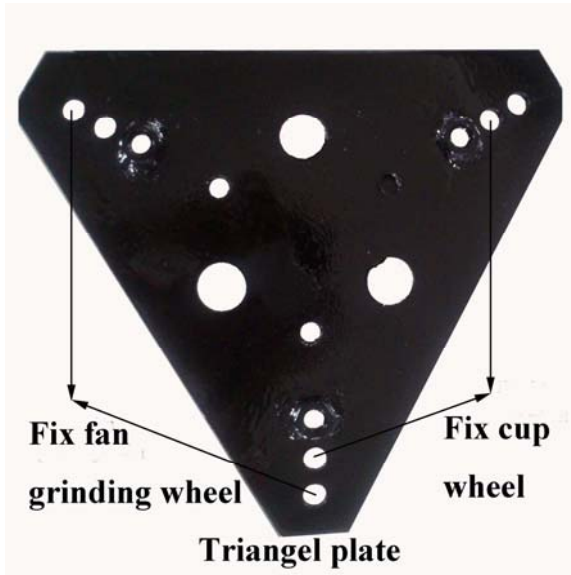




## MRK-350B



## 2. Base plate



## 3. Blades for machine



**Fan grinding wheel**



**Cup wheel**

## 三. Product confirmation, assemble

**1、 Product confirmation: Please check according to below points after getting the machine:**

- A. Any damages during the transport?
- B. Are all the standard parts, samples and blade etc purchase in addition below completed?

Standard parts	
L type 6 angle spanner size in 10mm	1 pc
Spanner with 2 pcs orifice(14*17 mm)	1 pc
Spanner with 2 pcs orifice ( 10*12 mm)	1 pc
Instruction、 Guarantee card、 Certificate of Quality	1 set
L type 6 angle spanner size in 6mm	1 pc

**Remark:** Standard parts and instruction all put inside the dust collector.

## 2、 Assemble

A. Please take down the screws on the handle and fold the handle when you pack the machine for

transporting. After opening the package and taking out the machine, fix the machine handle with the screws.

Reference: Fold the handle it's convenient to save the space when transport by vehicle.

B. Fix the grinding blades on the trangle plate for grinding.

C. Take down the trangle plate and fix the sandpaper plate on the bottom with screw, and then put the sandpaper on the sandpaper plate for grinding.

D. Cover the dust guard with the dustproof ring.

## **四. Start up and stop**

### **1. Start up**

A. For MRK-360B, after the machine connecting the power, press the start switch which bottom in Green to start the machine, and then turn on the vacuum switch to start the vacuum.

For MRK-350B, after the machine connecting the power, rotate the emergency off button in clockwise, and then press the green button to start the machine.

B. Please confirm the dustproof ring next to the ground, if it's away of ground, the dust will fly out when grinding.

C. To avoid overload, must press down the handle make blades which on the bottom are away of ground, then turn on the green button to start.

D. After start the machine, lay down the blade to lightly touch the ground, at the same time push the machine front and back, right and left to start grind.

### **2. Stop**

A. For MRK-360B, press the start switch to close the machine, and turn off the vacuum switch to stop the vacuum.

For MRK-350B, press the emergency off button when something urgent happen during working;

B. Before stopping the machine, let the blades be away of ground, too, and then press the red button to stop the machine.

## **五. Attention**

Warning: Please pay attention to and comply with below mention for safety operation; Please don't let people who don't know how to operate to operate the machine, please take the instruction with the machine all the time:

### **1. Before operation**

A. Please do not use the machine at outdoors in the rainy day, in a wet place, and place that the water and oil easily to inflow, otherwise it will get an electric shock accident.

B. Before operation, please confirm: Any damage for wire, connector of the switch, condition of plug and all screw; blade type, condition of the wear and tear and so on.

C. This machine is used for grinding machine-finishing, especially don't use in the very accidented ground. When the machine has abnormal shake during using, it may result in breaking down. And when use in the very rugged ground, the machine will lose balance, and result in the accident.

D. Any metal like drainpipe and steel reinforcing, please operate after knocking out by hammer or

remove by handle machine.

## 2. Operations

A. When operation, to keep safe, must wear safety helmet, wear safety shoes, in addition, wear face mask and earplugs if it's necessary according to the operation condition.

B. The machine is without anti-explosion construction, so absolutely don't put the tinder of petrol, diluent and gas etc. beside.

C. Regarding the noise, please comply with relative rules in local, don't incommode people around.

D. Absolutely don't touch the motor when it's on work, otherwise it's easy to scald; don't touch the blades, it's very hot too; Check and replace the blades after they full cooling.

E. When grind in the polyurethane resin ground, the large resistance will result in engine over work, engine over work will make the machine stop; if you still use it, the engine will burn down.

F. Expendable such as blades must use the parts of our company or the appointed products by our company; if use other products, it may damage the capability of machine and the machine may disrepair; badly, it will injure operator's body. So the accident happens when use the parts of other companies, it don't belong the range of product quality.

G. If find bad running or unusual condition during using the machine, stop operating shortly, examine and repair it after confirming the safety.

## 六. Daily check and maintenance and scheduled Maintenance

### 1 Usual checking standard

To use the machine under the good condition, please take careful check and maintenance as follows:

Checking items \ Checking time	Working day	Use 20 hours	Use 50 hours	Use 150 hours	Use 300 hours
1、Clean all parts and the check and maintenance of the fastener parts	Check				
2、Blades confirm	Check				
3、The check and maintenance of the bottom Armor plate	Check				
4、The check and maintenance of the dust guard and interface of vacuum hose	Check				
5、Check the power, wire and plug	Check				
6、Check the engine switch		Check			
7、Check, adjust and replace the elastic of the feed belt			Check		Replace
8、Overhaul and maintenance					*Check
Remarks: Where the check and replacement mark with "*" all need expertise to conduct, so please contact with our technical department.					



## 2、Conveyor belt check and adjust

◆Conveyor belt will extend or loosen for long time using, and it will cause the blades can't get the power from the motor fully, please check the Elasticity of conveyor periodically and adjust it.

### A. Elasticity

◆Elasticity check is to press the middle pulley of conveyor belt by finger, about 5-8mm of the elasticity is suitable.

Note: New conveyor loose quite quickly, so it should be adjusted early.

Attention: Aging and stretched-out belt with tear and breakage, must replace 3 pieces belt together, origin belt from factory has quality guarantee, and purchasing factory origin belt is our suggestion.

## 七. Breakdown and bad operation check

### Electric Motor out of work

◆Motor can't start up after turning on the green button, please confirm according to below methods, then check and deal with.

Attention: Power supply confirm, wire match, check, adjust and repair the electric motor part please let people who get the operation certification of electrician carry out.

Checking place	Corresponding solving method
1、 If power supply for the machine is right and accordant	<ul style="list-style-type: none"> <li>◆Confirm the power supply with power</li> <li>◆In addition it need 220-240V power</li> <li>◆Power supply above 10A</li> <li>◆Please confirm</li> </ul>
2、 If the connect of power supply wire is correct	Please confirm the rubber plug and naked wire plug really connect well with the connector broad, power supply plate (switch).
3、 If the fuse of power supply burn out	Short circuit and overload cause the fuse burn out, take out the fuse, replace new fuse after confirming the safety.
4 、 Motor and switch damage	Once keep working under the usual over load condition, the touch point of switch and motor will burn out, please confirm if the switch touch point and motor (blades part) run.
5 、 If the connect point loosen, and the wire cutoff	<ul style="list-style-type: none"> <li>◆Power line pull badly will cause inner wire cutoff.</li> <li>◆Please confirm by power on test.</li> <li>◆Don't connect by resolution using the naked rubber plug, when connect the power supply plate.</li> <li>◆Please confirm the assembly for rubber plug wire is correct.</li> </ul>



**Thank you for using our Machine**  
**Welcome your valuable suggestion for our products**

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